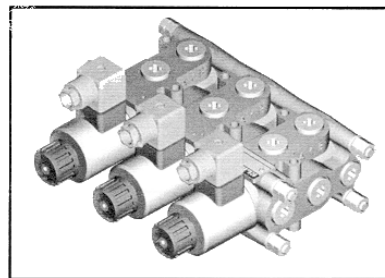




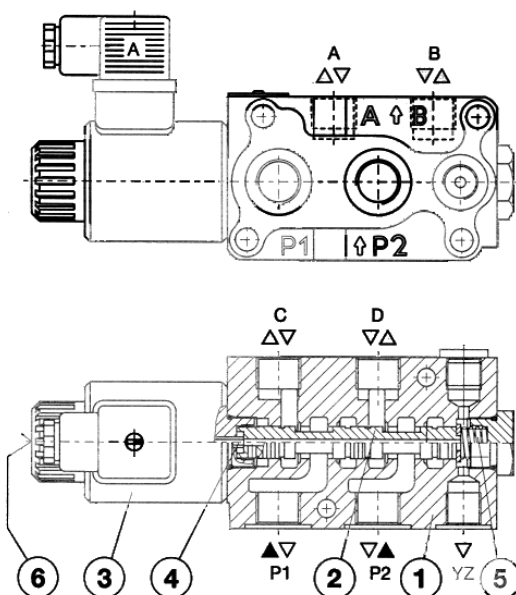
6/2-WAY DIRECTIONAL VALVES type KVH

- NS 6
- to 315 bar
- to 50 l/min
- Direct operation by solenoid
- Plug-in connector for solenoids to ISO 4400
- Threaded connection to ISO 9974, ISO 1179
- Protection of solenoid IP 65 to DIN 40050
- For stacking (1-5 units)



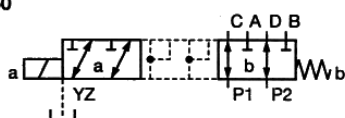
KVH-6/2-6-N3-S50

Description of operation



Symbol

KVH-6/2-6-N1-S50



Directional valves type KVH with direct solenoid operation control the direction of the hydraulic medium flow. They are mostly used as link between two consumers and the basic directional valve, when we want to control both consumers alternately by means of one basic directional valve.

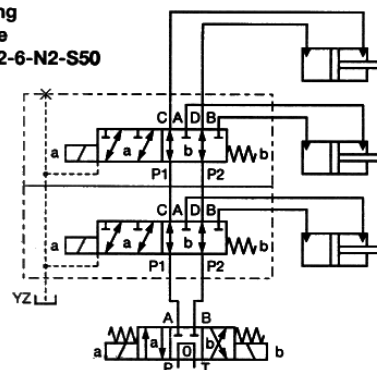
The KVH type directional valves consist of a housing (1), a control spool (2), and a solenoid (3) with return spring (5).

Change-over to the operating position is done by energising the solenoid (3), whereby the solenoid plunger acts on the control spool (2) via the operating pin (4), thus clearing the corresponding flow ways and establishing respective links between the ports P1, A, B and P2.

When the solenoid (3) is de-energised, the control spool (2) is returned to its neutral position by the return spring (5), thus establishing again the links between ports P1, C, D and P2.

The change-over can also be done manually by pressing the emergency hand operator (6).

Mounting example KVH-6/2-6-N2-S50



Technical data

Hydraulic

Size		6
Flow rate	l/min	50
Operating pressure	with YZ	bar 315
	without YZ	bar 210
Oil temperature range	°C	-20 to +70
Viscosity range	mm²/s	15 to 380
Mounting position	optional	
Mass	kg	2,7 (N1)
Filtration	NAS 1638	9

Electrical

Supply voltage	V	12, 24 DC
Power	W	29
(12 V DC supply voltage)	W	36
Switching frequency	1/h	15000
Ambient temperature	°C	to +50
Coil temperature	°C	to +180
Duty cycle	continuous	

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Bankgiro 5238-2801
Postgiro 6224-0
www.hydnet.se

Ordering code

KVH - 6/2 - 6- - - - -S50

Supply voltage

Threaded connections M/YZ

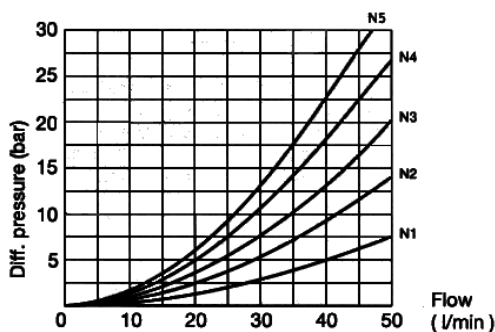
Drainage

Plug-in connector

Seal type

Nr. units

Δp - Q Performance curves
(measured at $t = 50^\circ\text{C}$ and $v = 32 \text{ mm}^2/\text{s}$)



Supply voltage

direct voltage 24 V = no desig.
direct voltage 12 V = 12 DC

Threaded connections M / YZ

P1,P2,A,B,C,D=M18x1,5 / YZ=M14x1,5 = no desig.
P1,P2,A,B,C,D=M22x1,5 / YZ=M14x1,5 = M22

P1,P2,A,B,C,D=G3/8 / YZ=G1/4 = G3/8
P1,P2,A,B,C,D=G1/2 / YZ=G1/4 = G1/2

Drainage

Without YZ = no desig.
External YZ = YZ

Plug-in connector

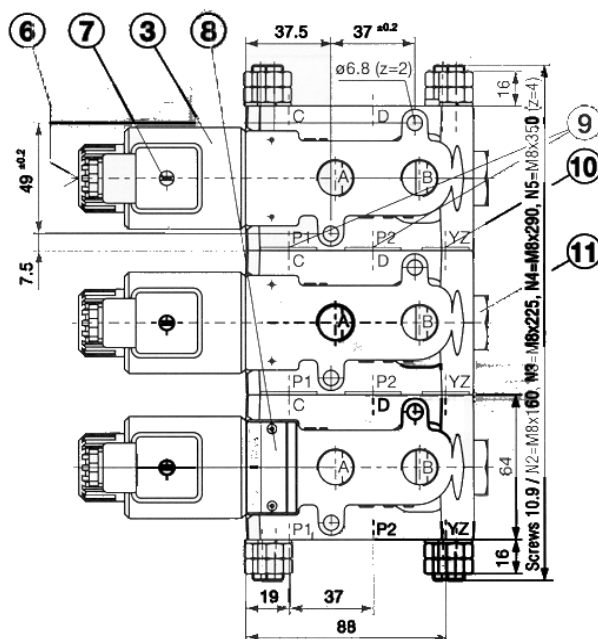
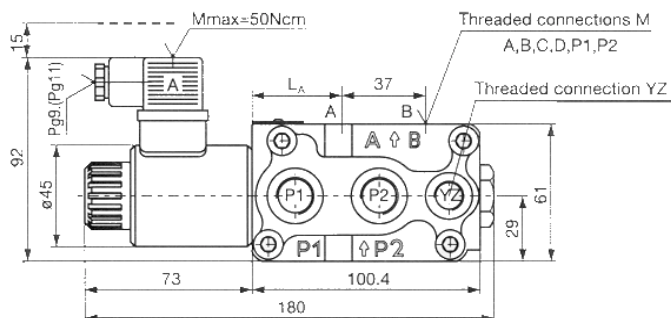
Pg9 without signal lamp = no desig.
Pg11 without signal lamp = 11
Pg9 with signal lamp = L
Pg11 with signal lamp = L11

Seal type

NBR for mineral oil HL, HLP to DIN 51524 = no desig.
FPM for HETG, HEES, HEPG to VDMA 24568 = E

Nr. units three units = N3
one unit = N1 four units = N4
two units = N2 five units = N5

Dimensions (mm) KVH-6/2-6-N3-S50



$L_A = 39,5$ (G3/8, M18x1,5)
 $37,5$ (G1/2, M22x1,5)

3. Solenoid "a" MR-045,
6. Emergency hand operator
7. Plug-in connector "a" grey
8. Nameplate
9. O-Ring ; M18x1,5 / G3/8 = $\varnothing 21 \times 2$
M22x1,5 / G1/2 = $\varnothing 26 \times 2$
10. O-Ring ; M14x1,5 / G1/4 = $\varnothing 17 \times 2$
11. Valve cap

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